

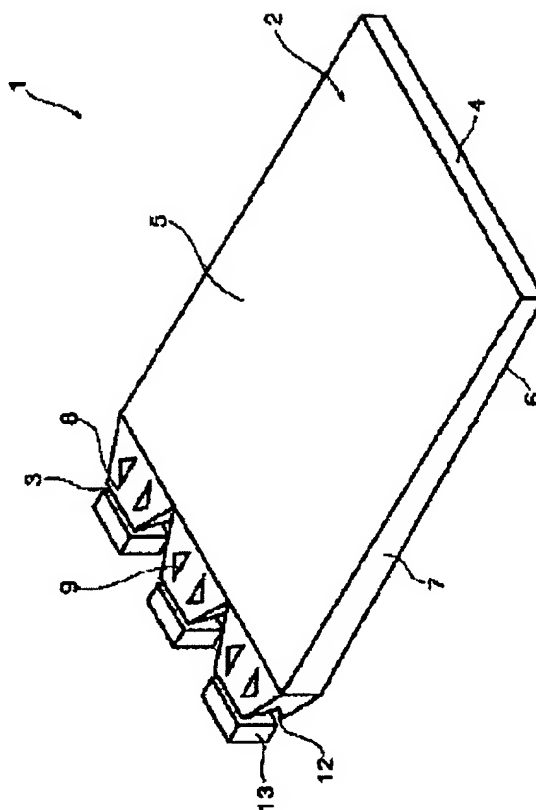
LIGHT GUIDE PLATE AND PLANAR ILLUMINATOR

Patent number: JP2002169034
Publication date: 2002-06-14
Inventor: SHONO HIROO; ENDO TSUKASA
Applicant: NIPPON LEIZ CO LTD
Classification:
- **International:** G02B6/00; F21V8/00; G02F1/13357
- **European:**
Application number: JP20000367324 20001201
Priority number(s):

Abstract of JP2002169034

PROBLEM TO BE SOLVED: To obtain luminous exit light without generating irregularity regardless of the size of a light guide plate.

SOLUTION: An incident end surface part 3 is cut off into a triangular prism shape 12 in which an angle formed with an upper surface part 5 is equal to an angle formed with a rear side surface part 6 in the direction of a reflected end surface part 4, and triangular shapes 9 having symmetry are provided through the projecting and recessing structure having a trapezoid shape 8 or the trapezoid shape 8 having a projecting structure in the incident end surface part 3 which is projectingly provided in the side of a light source 13. Light from the light source 13 is deflected in the direction of the upper surface part 5 and the direction of the rear side surface part 6 by the triangular prism shape 12, deflected light is totally reflected by the triangular shapes 9 and the trapezoid shapes 8 and is exited from the upper surface part 5 while advancing light in the direction of the reflection end surface 4, and whereby luminous and uniform exit light is obtained.



Data supplied from the **esp@cenet** database - Patent Abstracts of Japan